

80/2023 ROAD MAP HIGHLIGHTS

The MARC Solid Waste Management District developed this road map for local governments to implement proven waste diversion strategies. These strategies focus on access to services and effective policies targeting residential, commercial and construction & demolition waste streams. This phased-in, multi-level approach requires both public and private investment to build and secure an integrated, sustainable system.

Re•think



Re•do



Re•new

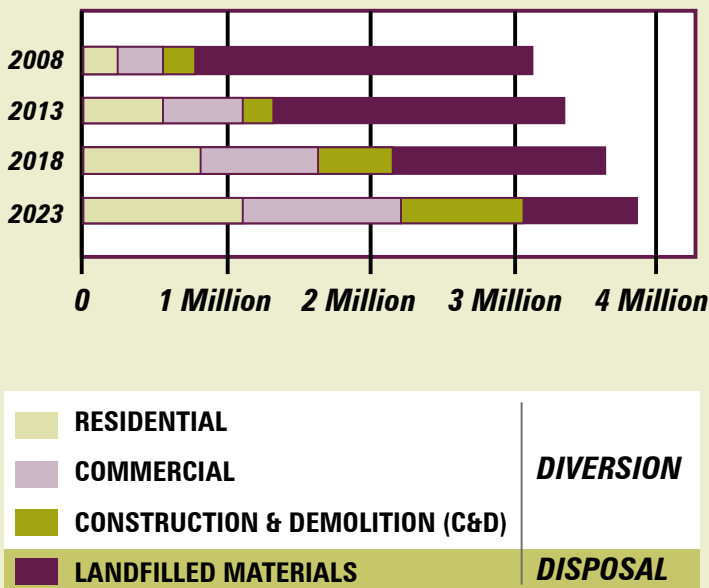


Mid-America Regional Council
Solid Waste Management District

MORE CHOICES, BETTER SOLUTIONS

Waste diversion helps take the burden off of landfills as our region's primary waste disposal solution. More diversion options and better resource management means landfill life is extended and fewer materials are wasted.

DIVERSION & DISPOSAL (in tons)



Source: 2009 Sustainable Solid Waste Management Study

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SERVICES & AWARENESS

- Improved public education and public policies can dramatically impact waste diversion through each of the three implementation phases (40-60-80).
- Initially, better awareness and access to services for residents and businesses leads to higher participation and waste diversion, especially when combined with volume-based rate incentives.
- Later strategies will concentrate on additional materials, including organics and construction & demolition (C&D) waste streams.
- Improved data collection and benchmarks are critical to monitor and measure success.

MATERIAL PROCESSING

- Building a vibrant and sustainable diversion infrastructure will require both public and private investments and collaborative partnerships. Recent investments in glass processing and material recovery facilities have positioned the region to handle increased residential and commercial recyclables.
- Assessments of processing capacity, end markets and best practices are needed at the regional level to determine long-term processing capacity, in particular for organics and C&D materials.

FINAL MANAGEMENT

- Successful waste diversion can help extend the life of the region's landfills and lessen hauling costs to transport waste out of the region.
- Landfill trends and innovative technologies will be monitored at the local and regional level to evaluate future needs and investments for transfer stations, landfills or emerging technologies beyond 2023.



SUSTAINABLE SOLID WASTE MANAGEMENT ROAD MAP

HOW CAN OUR REGION GET TO 80% WASTE DIVERSION BY 2023?

| | 2010-2013 40% Waste Diversion | 2014-2018 60% Waste Diversion | 2019-2023 80% Waste Diversion |
|-----------------------------------|--|--|--|
| SOURCE REDUCTION | <ul style="list-style-type: none"> Public education <ul style="list-style-type: none"> Grasscycling (mulching) & waste reduction practices for residents, businesses and institutions | <ul style="list-style-type: none"> Public education <ul style="list-style-type: none"> Reuse facilities & services | <ul style="list-style-type: none"> Public education <ul style="list-style-type: none"> Backyard composting & commercial food waste services |
| RECYCLING & COMPOSTING | <ul style="list-style-type: none"> Residential curbside recycling & yard waste Drop-off recycling & yard waste centers | <ul style="list-style-type: none"> Transition to volume-based rate system Public institutions lead by example | <ul style="list-style-type: none"> Residential curbside organics services to include food waste Expand materials at drop-off recycling & yard waste centers |
| SPECIAL WASTES | <ul style="list-style-type: none"> Special waste collection programs <ul style="list-style-type: none"> Household Hazardous Waste (HHW) Cleanup days / special collections for white goods, electronics, tires, C&D Promote existing recycling services for construction & demolition (C&D) materials <ul style="list-style-type: none"> Cardboard, concrete, asphalt, clean wood waste | <ul style="list-style-type: none"> Establish permanent options for special wastes (municipal & retail) <ul style="list-style-type: none"> Promote HHW safe alternatives & retail outlets' year-round access for special waste recycling Expand construction & demolition <ul style="list-style-type: none"> C&D materials recycling, asphalt shingles, drywall, mixed debris | <ul style="list-style-type: none"> Additional hard-to-recycle materials |
| POLICIES | <ul style="list-style-type: none"> Local government green procurement policy Planning codes to accommodate recycling Required tonnage reports from haulers | <ul style="list-style-type: none"> Local deconstruction ordinance Local green build (LEED) policy with construction recycling & use of recovered material incentives Require commercial haulers to offer recycling services to businesses & multi-family residential properties | <ul style="list-style-type: none"> Product stewardship initiatives Minimum recycling criteria for construction & demolition projects |
| REGIONAL STUDIES | <ul style="list-style-type: none"> Diversion processing capacity & end markets assessment Data collection, benchmarks & measurements | <ul style="list-style-type: none"> Local end markets study Construction & demolition / food recovery best practice research | <ul style="list-style-type: none"> Disposal capacity & emerging technology assessment |